T08T90" 9Z8h8860

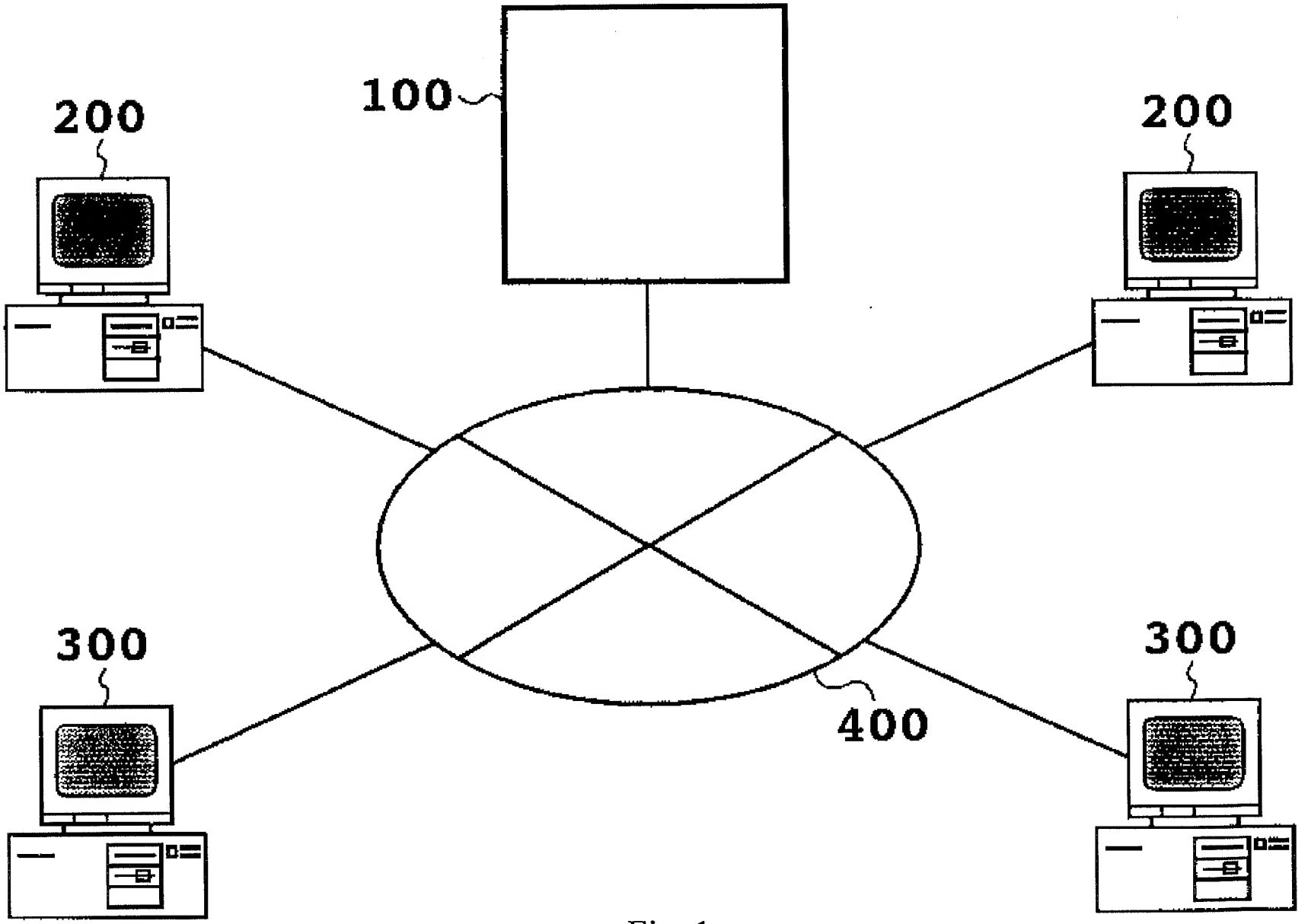

Fig. 1

T08T90" 9Z8Hb8860

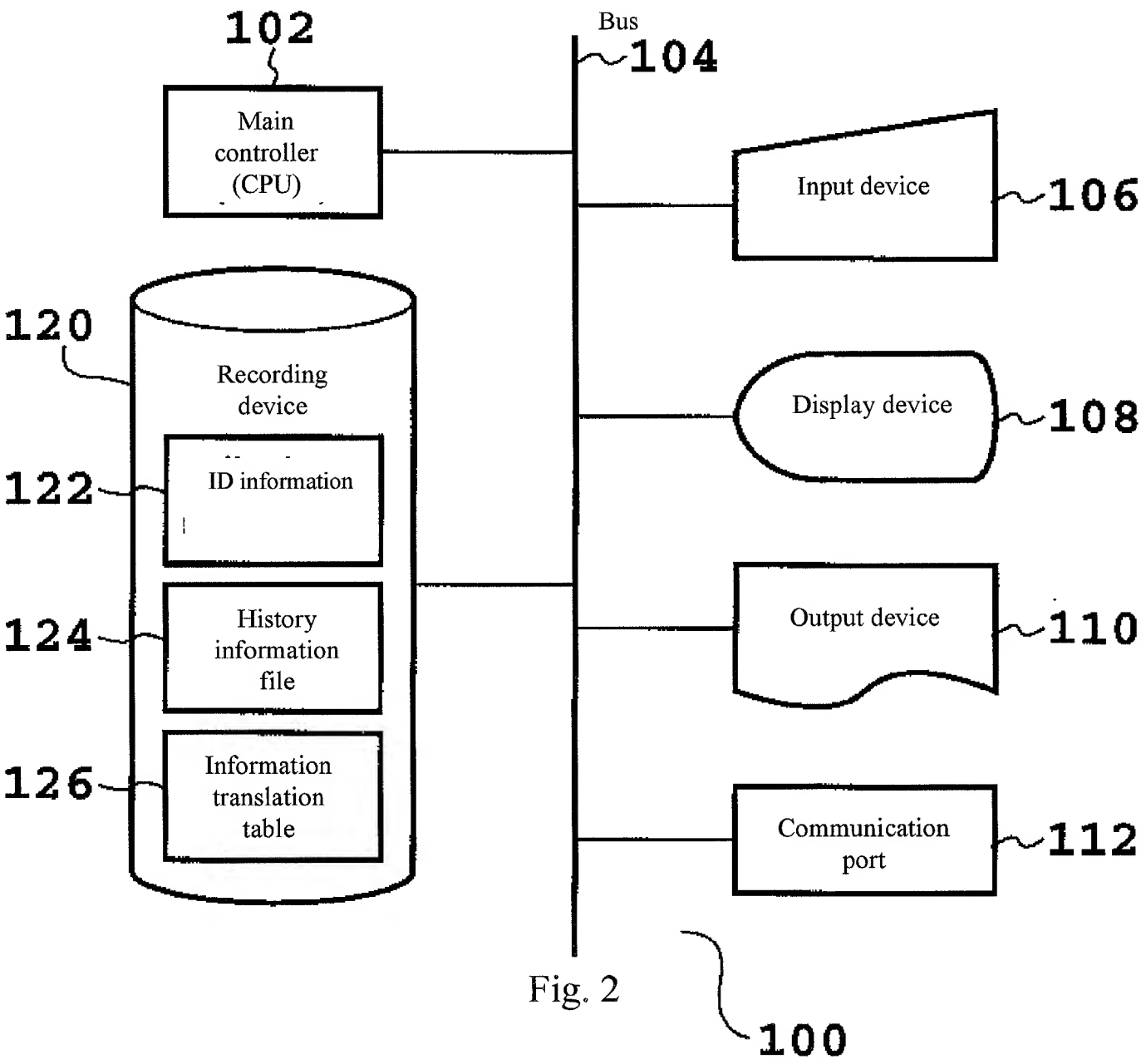

Fig. 2

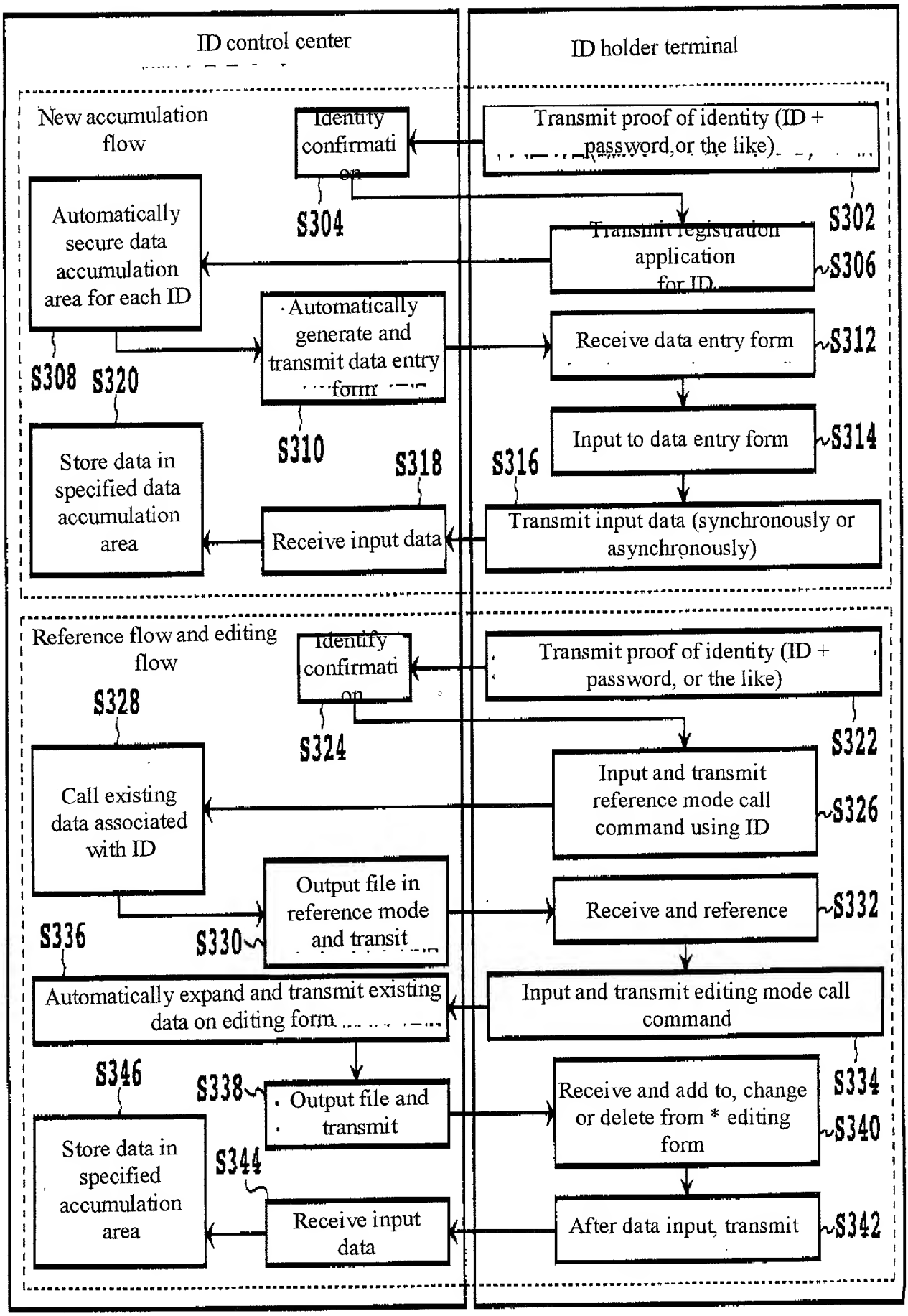

Fig. 3

US 6,850,915 B2

ID
Infoteria Corp.
01234567
Tel : 03-1234-5678
Fax : 03-1234-5679
Sales Department, Section Chief
Machiko Oi
E-mail : omachiko@infoteria.com

Fig. 4

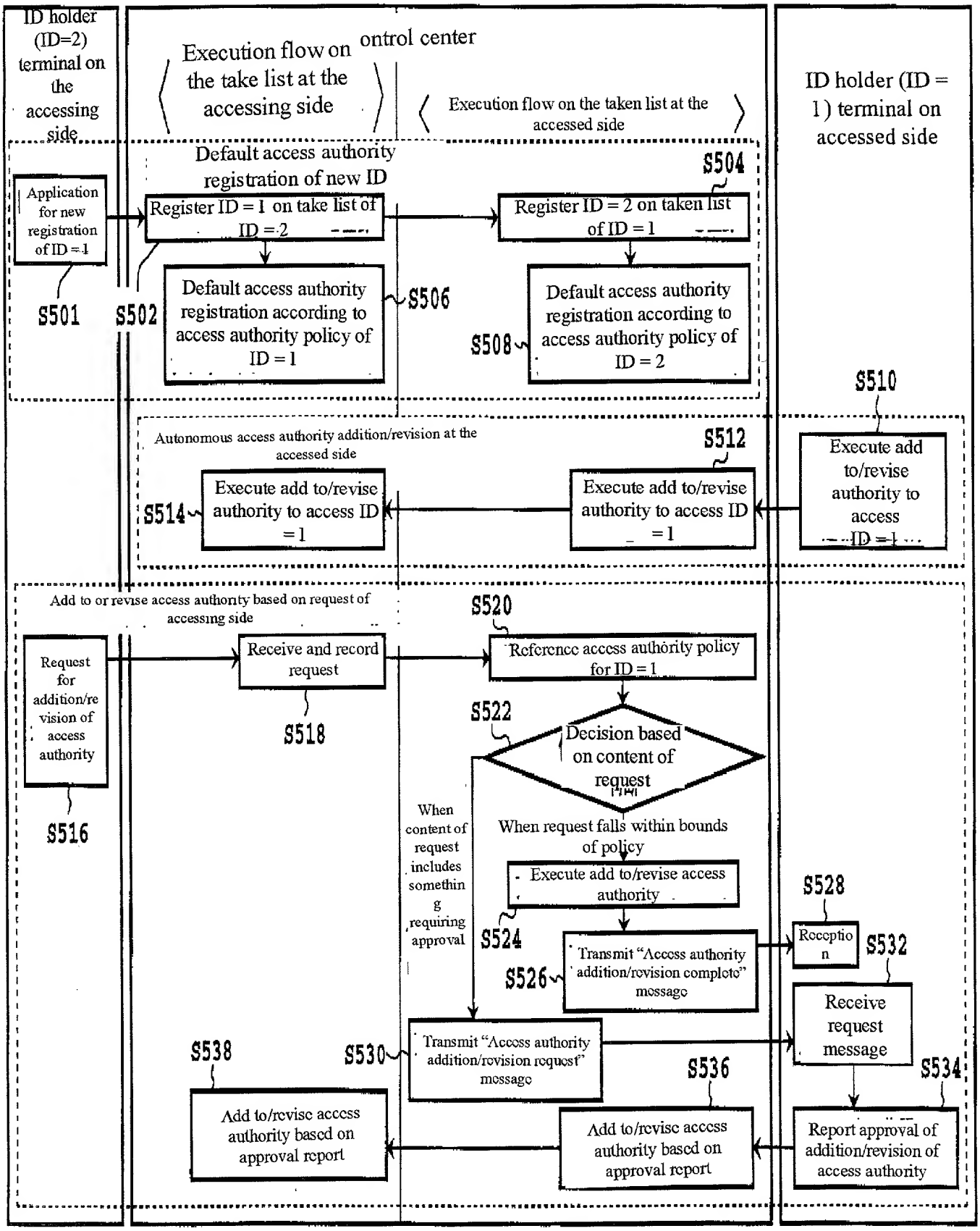
ID holder (ID=2) terminal on the accessing side
Execution flow on the take list at the accessing side
ontrol center
Execution flow on the taken list at the accessed side
ID holder (ID = 1) terminal on accessed side
Default access authority registration of new ID
Application for new registration of ID = 1
Register ID = 1 on take list of ID = 2
Register ID = 2 on taken list of ID = 1
S504
S501
S502
Default access authority registration according to access authority policy of ID = 1
S506
Default access authority registration according to access authority policy of ID = 2
S508
S510
Autonomous access authority addition/revision at the accessed side
S512
Execute add to/revise authority to access ID = 1
S514
Execute add to/revise authority to access ID = 1
Add to or revise access authority based on request of accessing side
S520
Request for addition/revision of access authority
Receive and record request
Reference access authority policy for ID = 1
S518
S522
Decision based on content of request
S516
When content of request includes something requiring approval
When request falls within bounds of policy
Execute add to/revise access authority
S528
Reception
S532
S524
Transmit "Access authority addition/revision complete" message
S526
Receive request message
S538
S530
Transmit "Access authority addition/revision request" message
S536
S534
Add to/revise access authority based on approval report
Add to/revise access authority based on approval report
Report approval of addition/revision of access authority

Fig. 5

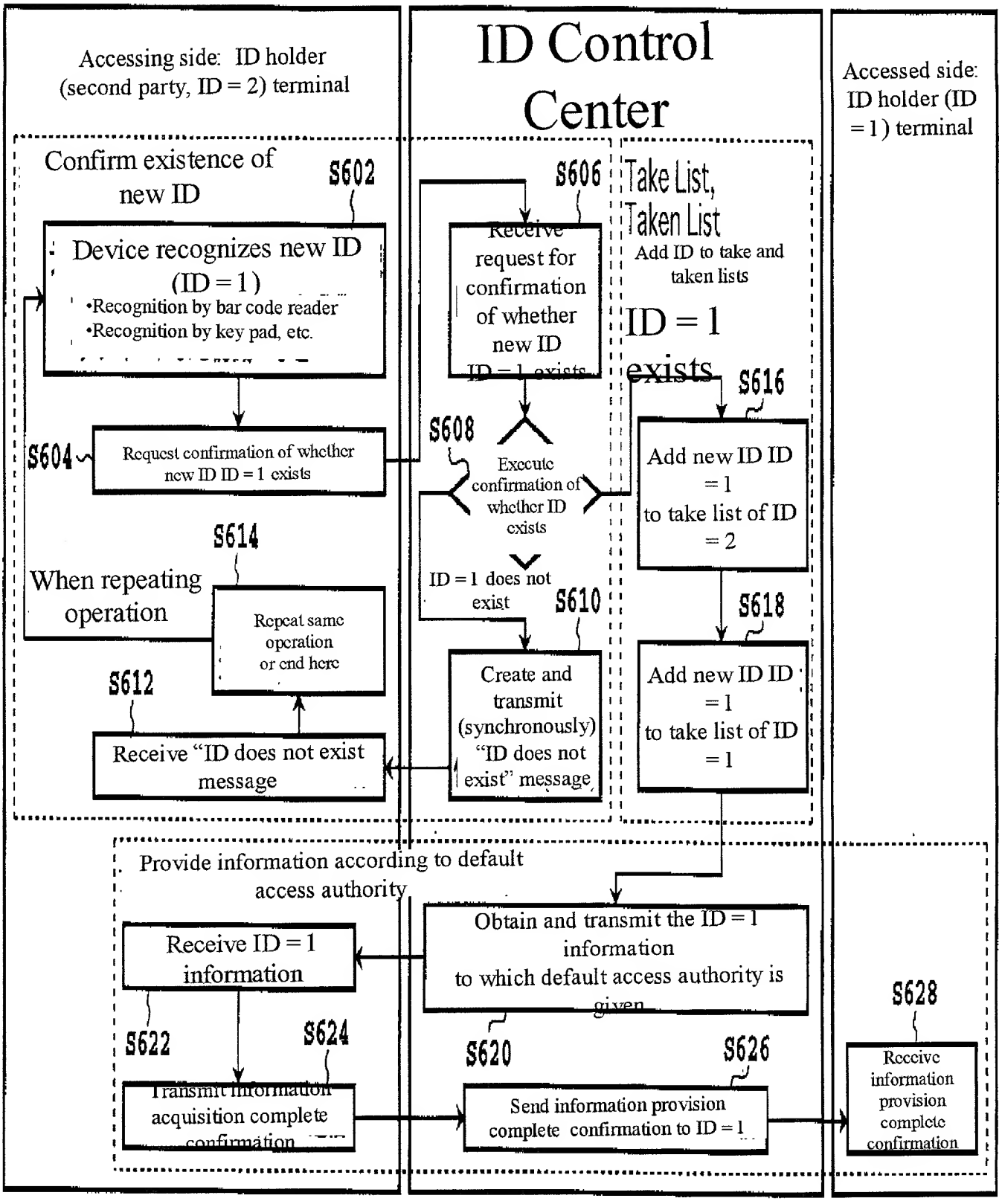
Accessing side: ID holder (second party, ID = 2) terminal
ID Control Center
Accessed side: ID holder (ID = 1) terminal
Confirm existence of new ID
S602
Device recognizes new ID (ID = 1)
•Recognition by bar code reader
•Recognition by key pad, etc.
S604
Request confirmation of whether new ID ID = 1 exists
S606
Receive request for confirmation of whether new ID ID = 1 exists
S608
Execute confirmation of whether ID exists
ID = 1 does not exist
S610
Create and transmit (synchronously) "ID does not exist" message
S612
Receive "ID does not exist message
S614
When repeating operation
Repeat same operation or end here
Take List, Taken List
Add ID to take and taken lists
ID = 1 exists
S616
Add new ID ID = 1 to take list of ID = 2
S618
Add new ID ID = 1 to take list of ID = 1
Provide information according to default access authority
Obtain and transmit the ID = 1 information to which default access authority is given
S620
Receive ID = 1 information
S622
Transmit information acquisition complete confirmation
S624
Send information provision complete confirmation to ID = 1
S626
S628
Receive information provision complete confirmation

Fig. 6

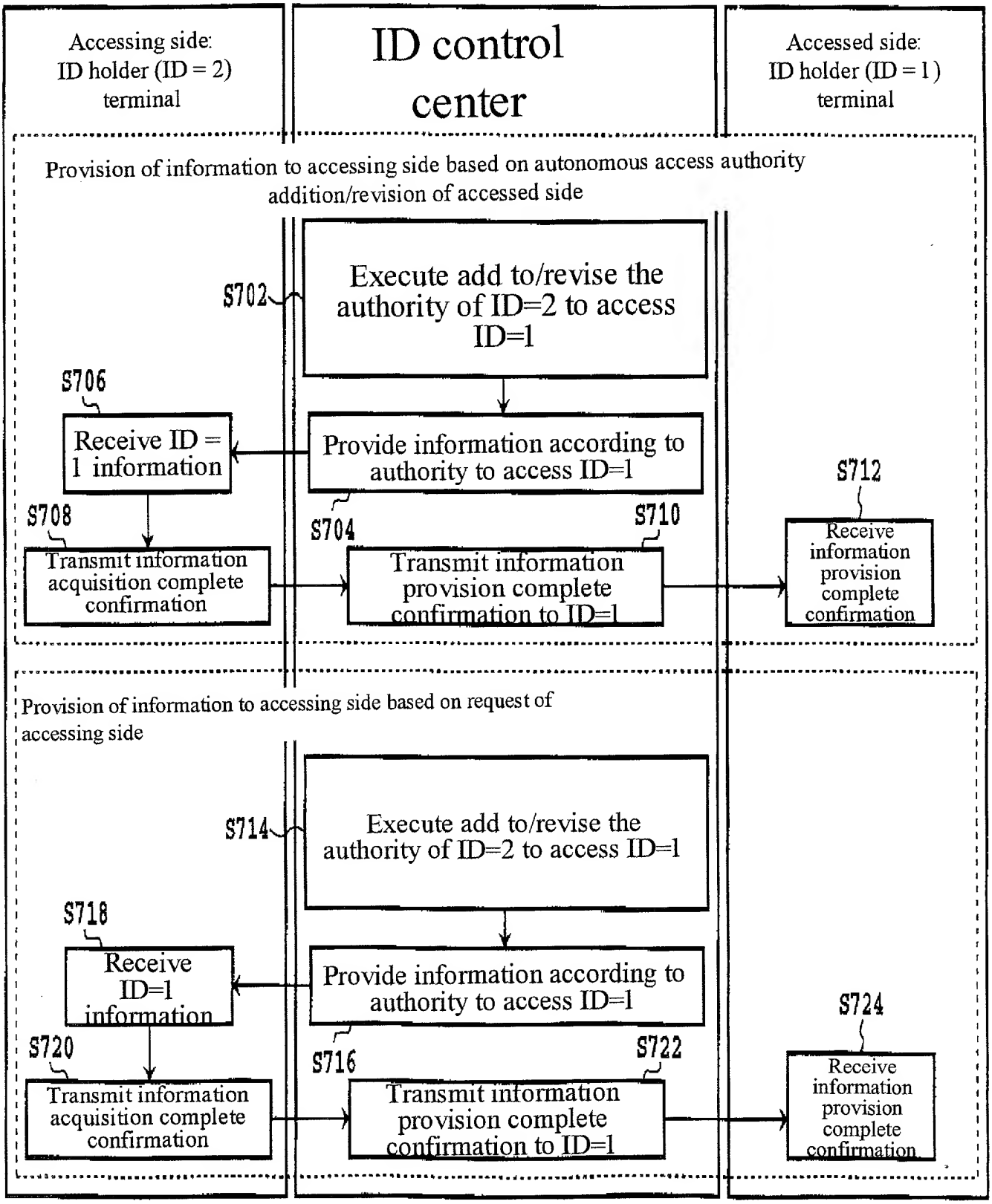

Fig. 7

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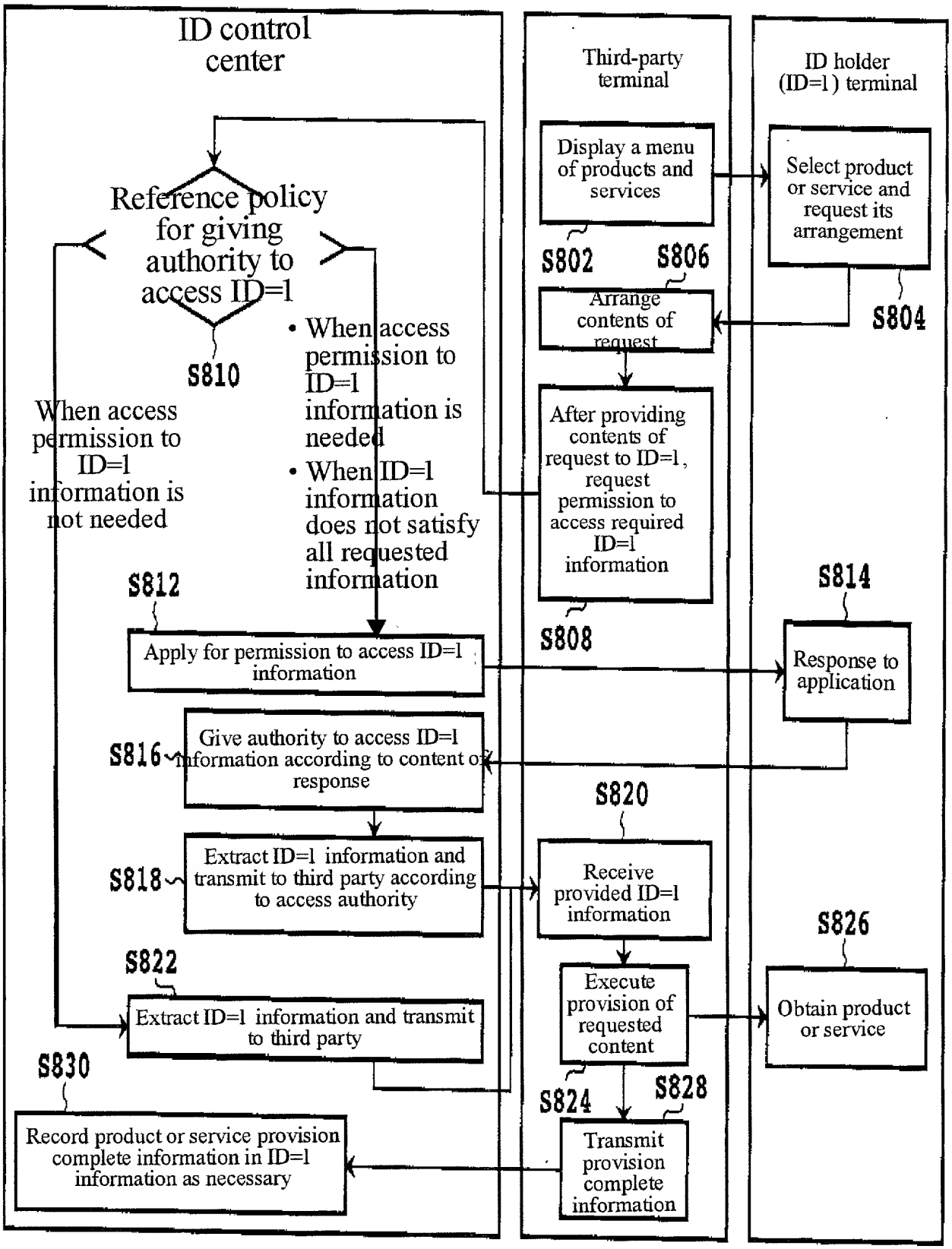
ID control center
Third-party terminal
ID holder (ID=1) terminal
Display a menu of products and services
Select product or service and request its arrangement
S802
S806
S804
Arrange contents of request
After providing contents of request to ID=1, request permission to access required ID=1 information
S808
S814
Response to application
Reference policy for giving authority to access ID=1
S810
When access permission to ID=1 information is not needed
• When access permission to ID=1 information is needed
• When ID=1 information does not satisfy all requested information
S812
Apply for permission to access ID=1 information
S816
Give authority to access ID=1 information according to content of response
S820
S818
Extract ID=1 information and transmit to third party according to access authority
Receive provided ID=1 information
S826
S822
Execute provision of requested content
Obtain product or service
Extract ID=1 information and transmit to third party
S830
S824
S828
Record product or service provision complete information in ID=1 information as necessary
Transmit provision complete information

Fig. 8

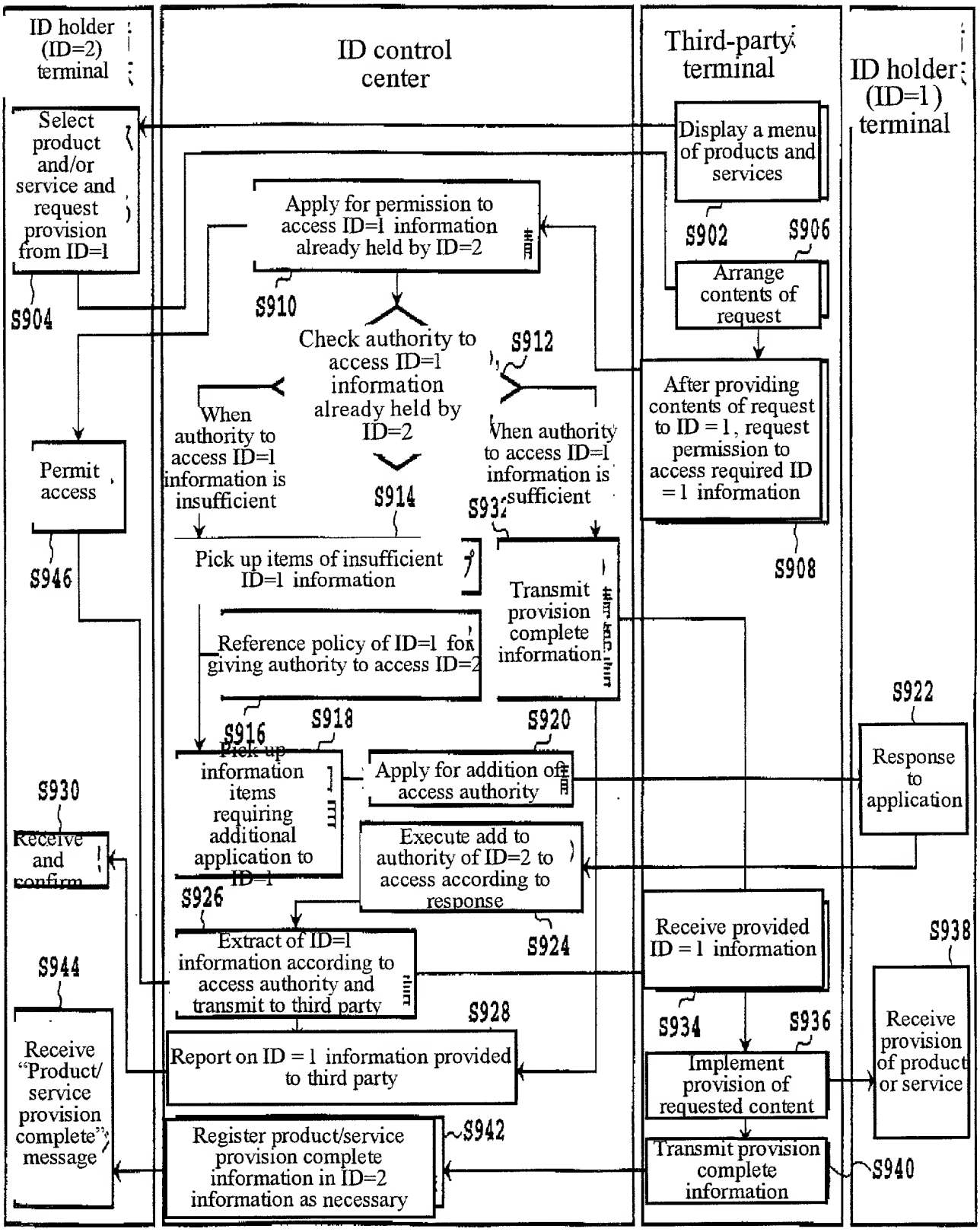
ID holder (ID=2) terminal
ID control center
Third-party terminal
ID holder (ID=1) terminal
Select product and/or service and request provision from ID=1
Apply for permission to access ID=1 information already held by ID=2
Display a menu of products and services
S902
S906
Arrange contents of request
S904
S910
Check authority to access ID=1 information already held by ID=2
S912
When authority to access ID=1 information is insufficient
When authority to access ID=1 information is sufficient
After providing contents of request to ID = 1, request permission to access required ID = 1 information
Permit access
S914
S932
S908
S946
Pick up items of insufficient ID=1 information
Transmit provision complete information
Reference policy of ID=1 for giving authority to access ID=2
S922
S916
S918
S920
Pick up information items requiring additional application to ID=1
Apply for addition of access authority
Response to application
S930
Receive and confirm
Execute add to authority of ID=2 to access according to response
S926
S924
Receive provided ID = 1 information
S938
Extract of ID=1 information according to access authority and transmit to third party
S944
S928
S934
S936
Receive provision of product or service
Receive "Product/ service provision complete" message
Report on ID = 1 information provided to third party
Implement provision of requested content
Register product/service provision complete information in ID=2 information as necessary
S942
Transmit provision complete information
S940

Fig. 9

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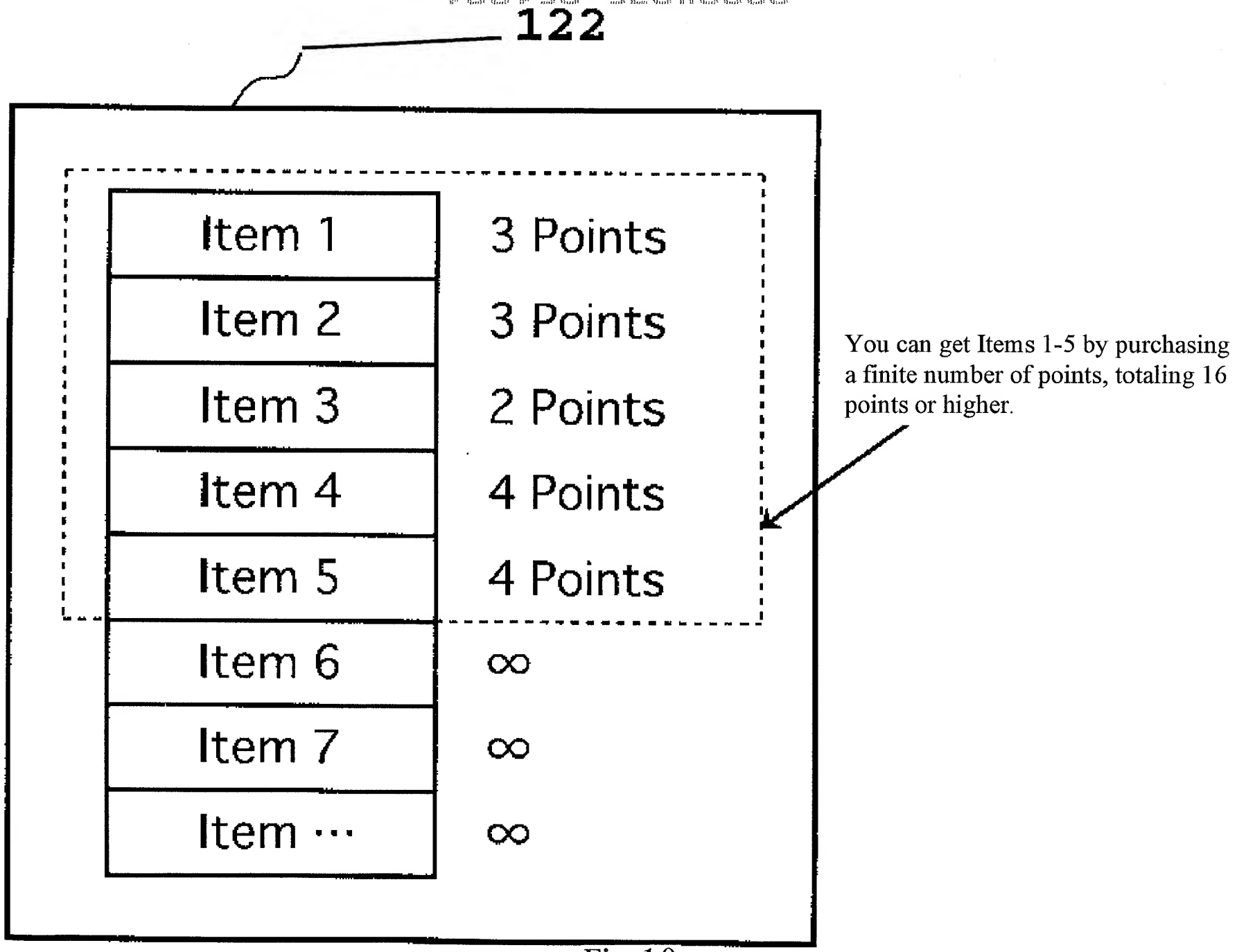

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Fig. 10

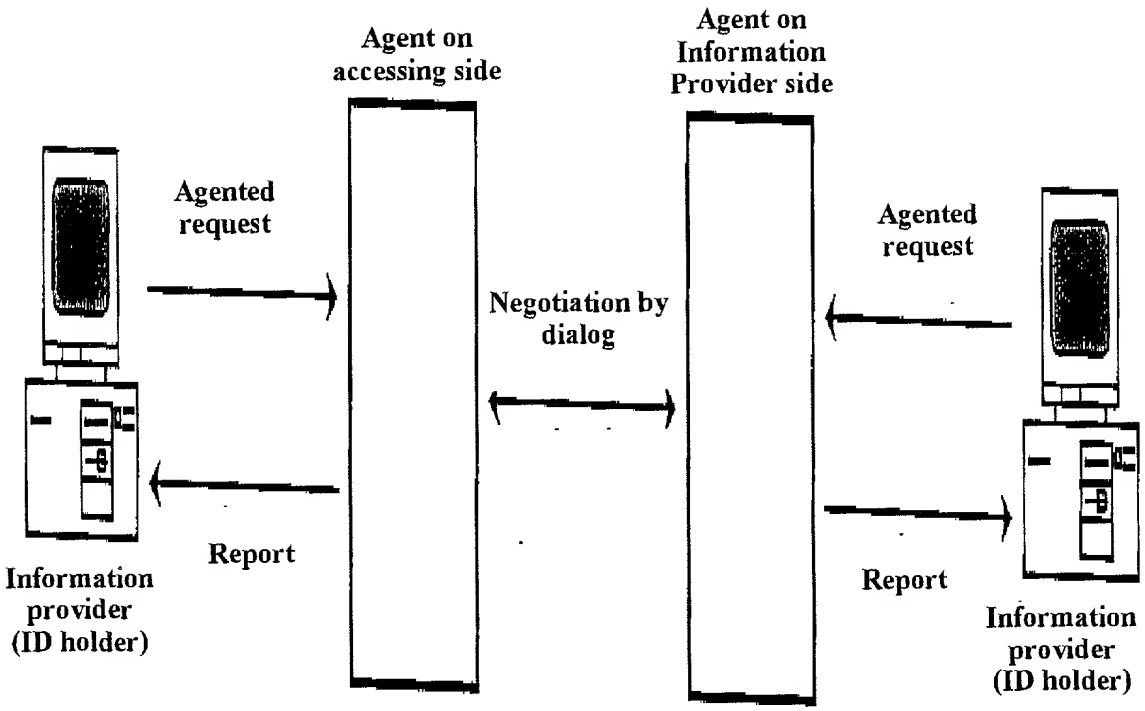
Agent on accessing side
Agent on Information Provider side
Agented request
Negotiation by dialog
Agented request
Report
Report
Information provider (ID holder)
Information provider (ID holder)

Fig. 11

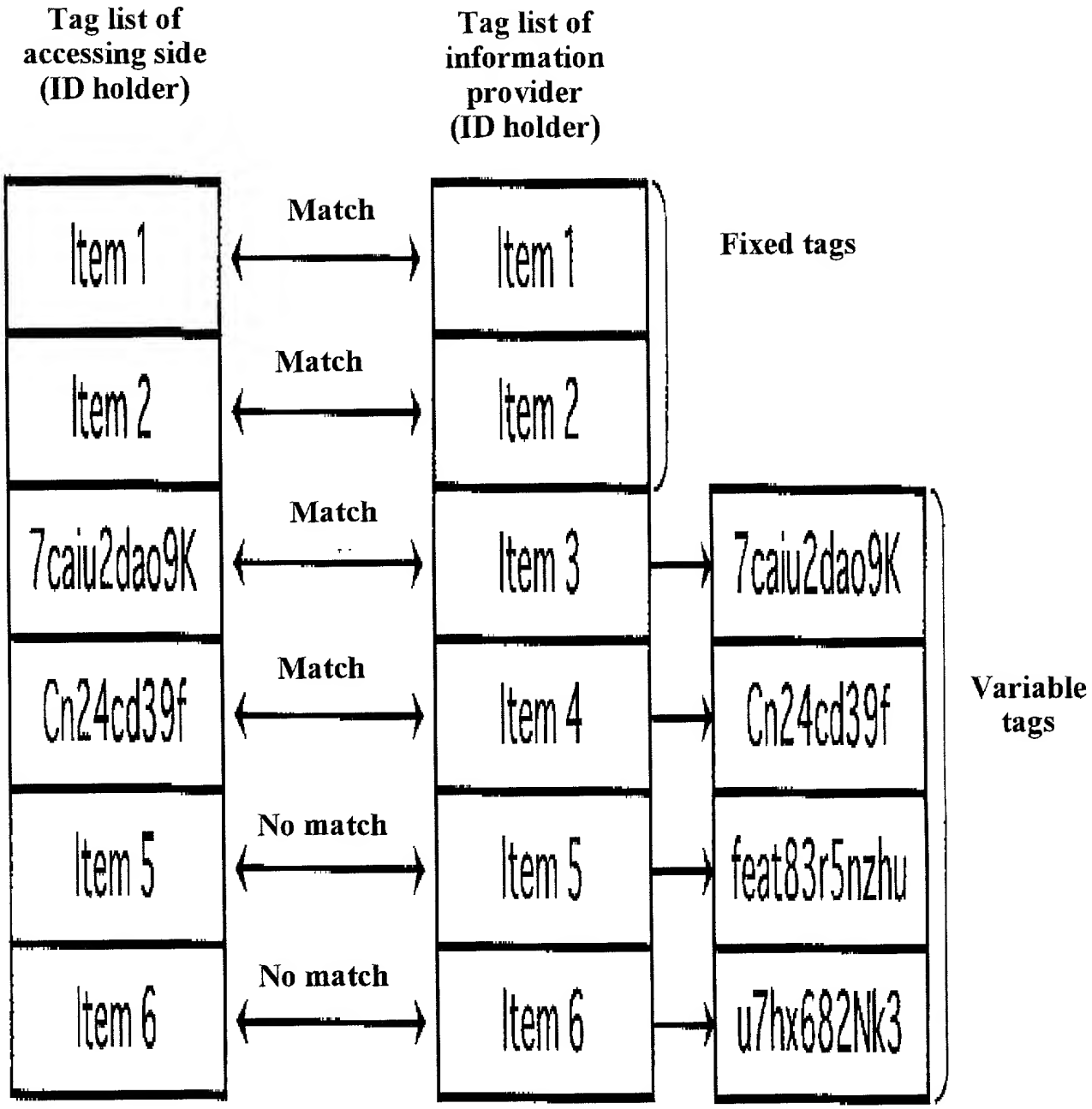
Tag list of accessing side (ID holder)
Tag list of information provider (ID holder)
Item 1
Match
Item 1
Fixed tags
Item 2
Match
Item 2
7caiu2dao9K
Match
Item 3
7caiu2dao9K
Cn24cd39f
Match
Item 4
Cn24cd39f
Variable tags
Item 5
No match
Item 5
feat83r5nzhu
Item 6
No match
Item 6
u7hx682Nk3

Fig. 12

Doc#: 10517718 - Date: 2005/05/31

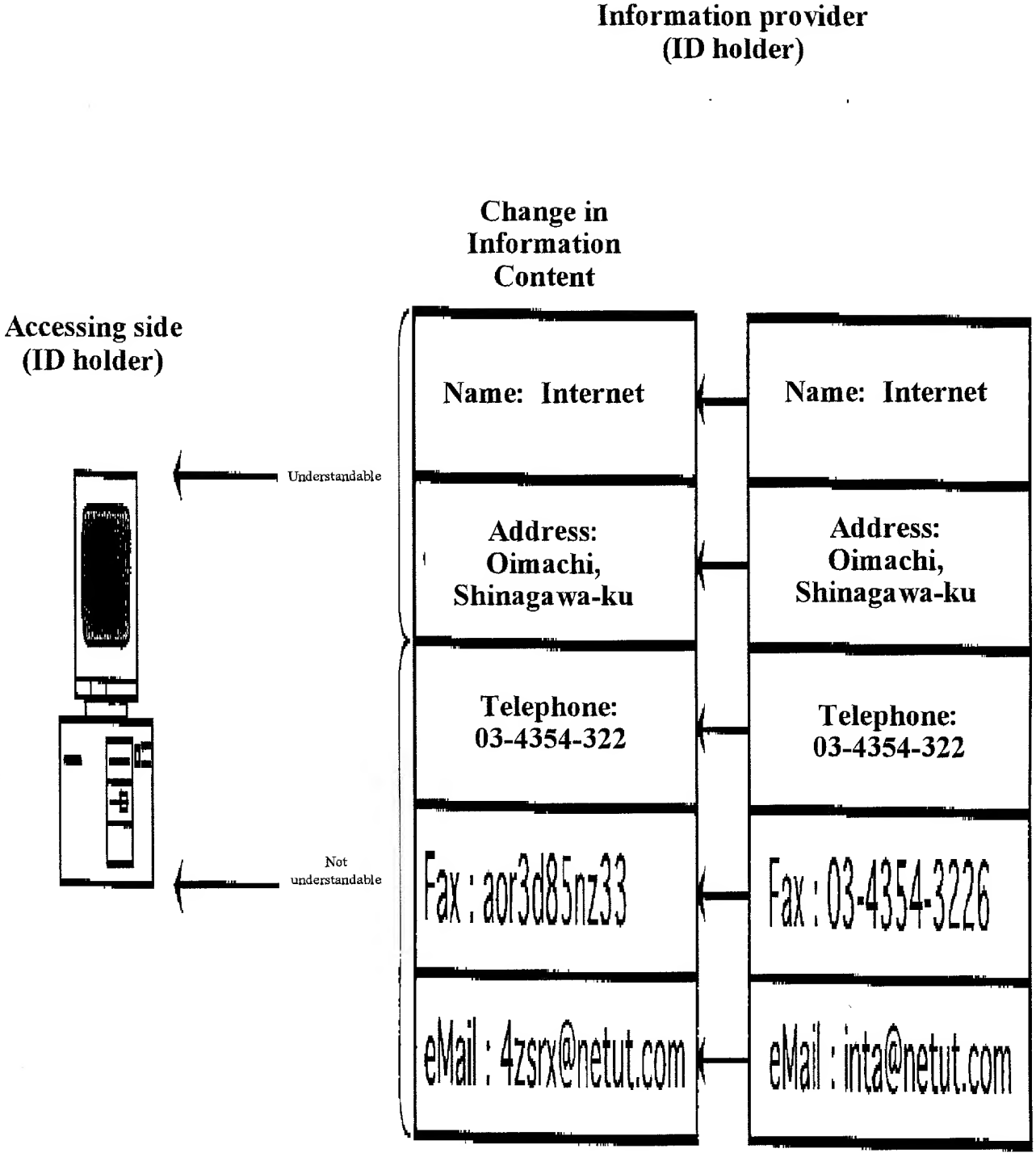

Fig. 13

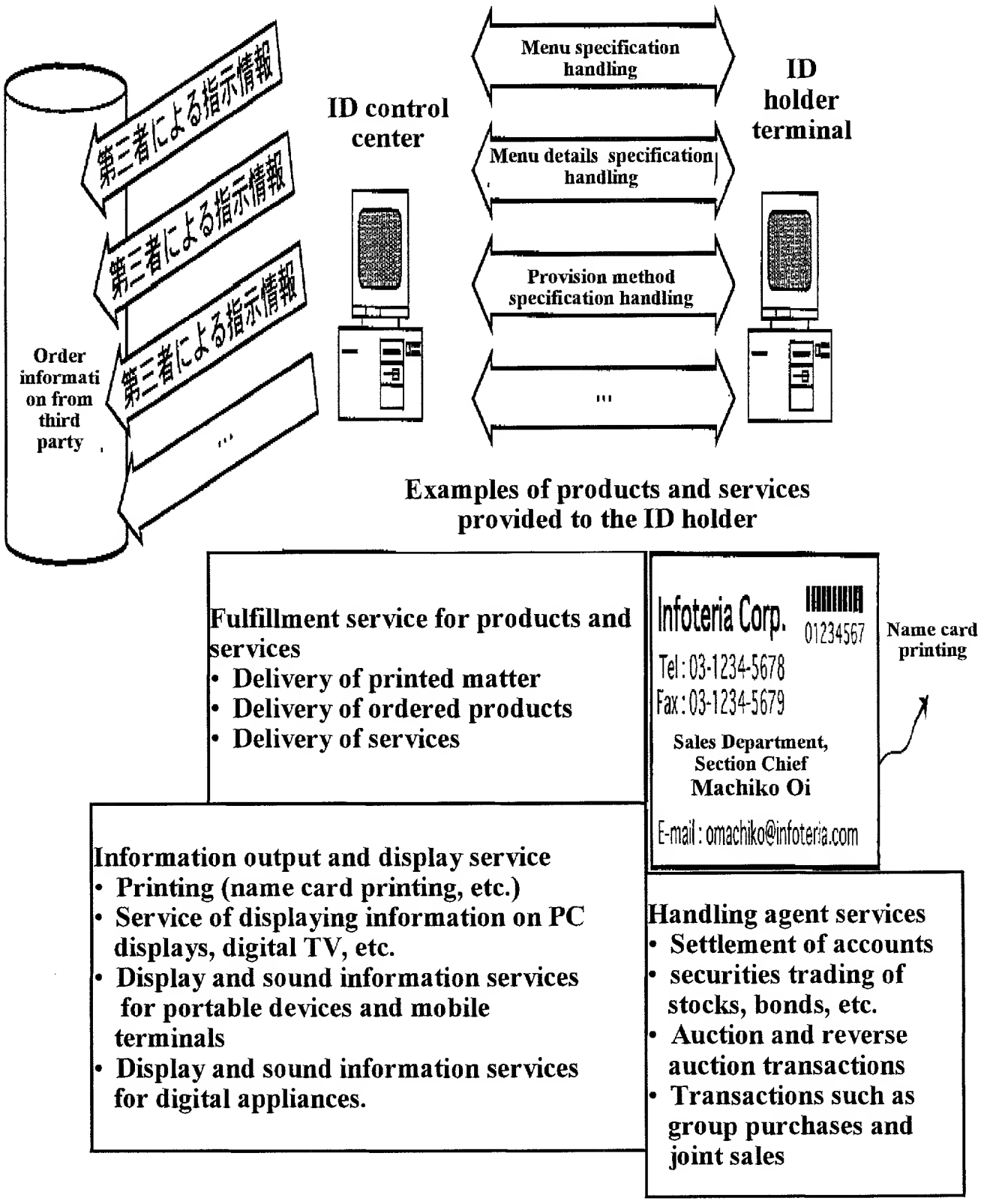

Fig. 14

US-PAT-NO: 6868391
DOCUMENT-IDENTIFIER: US 6868391 B1

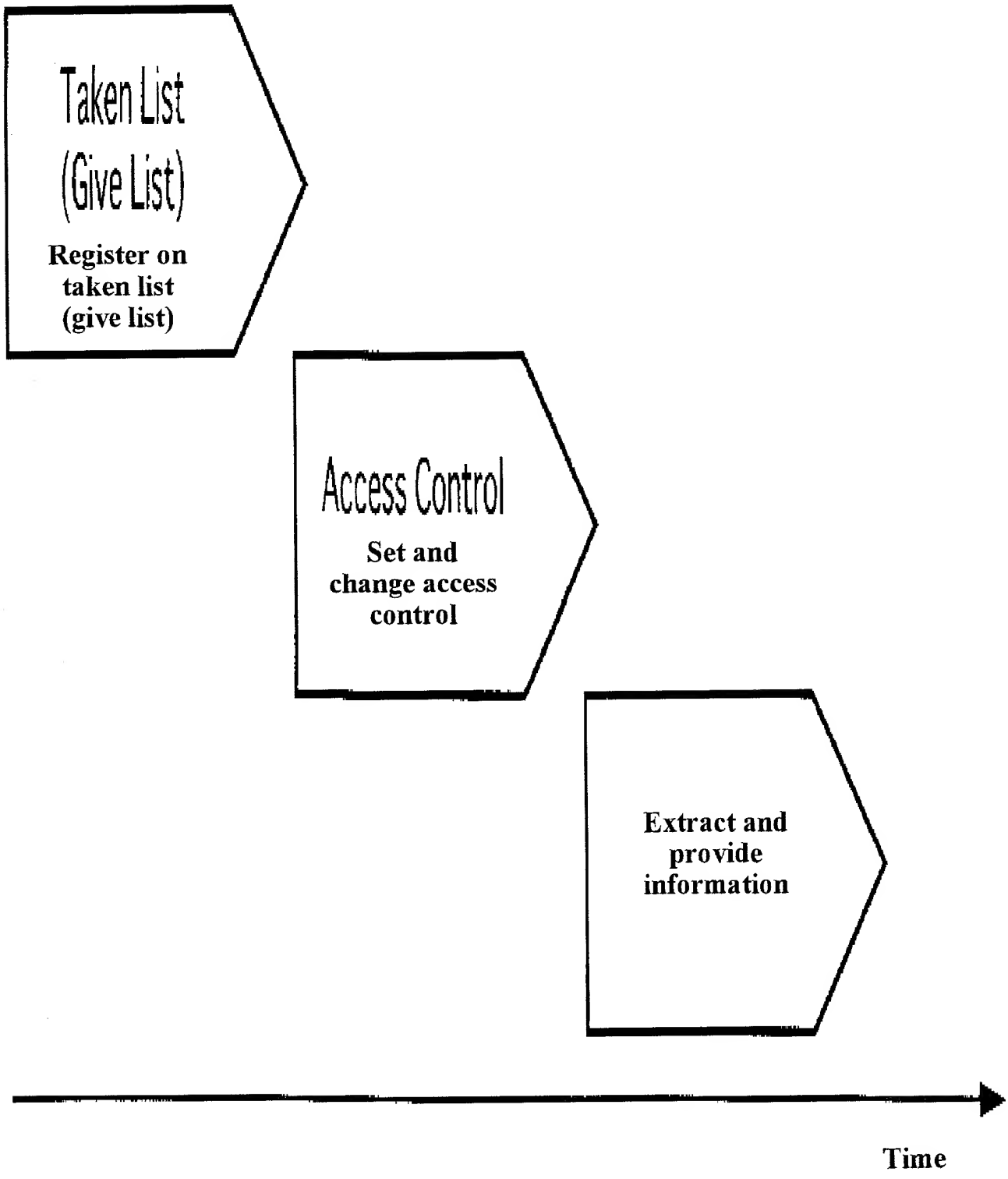

Fig. 15

10517718

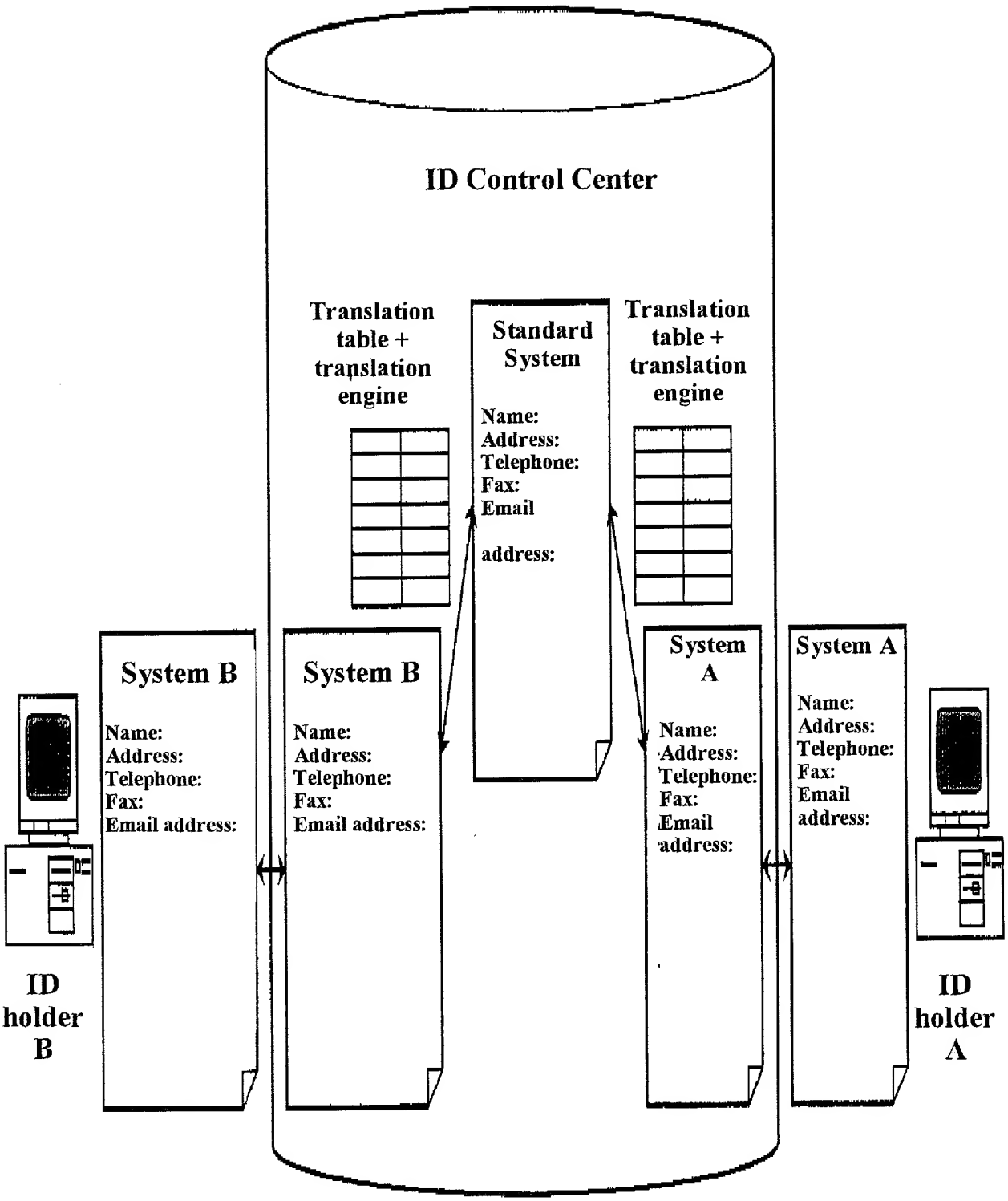

Fig. 16

10517718

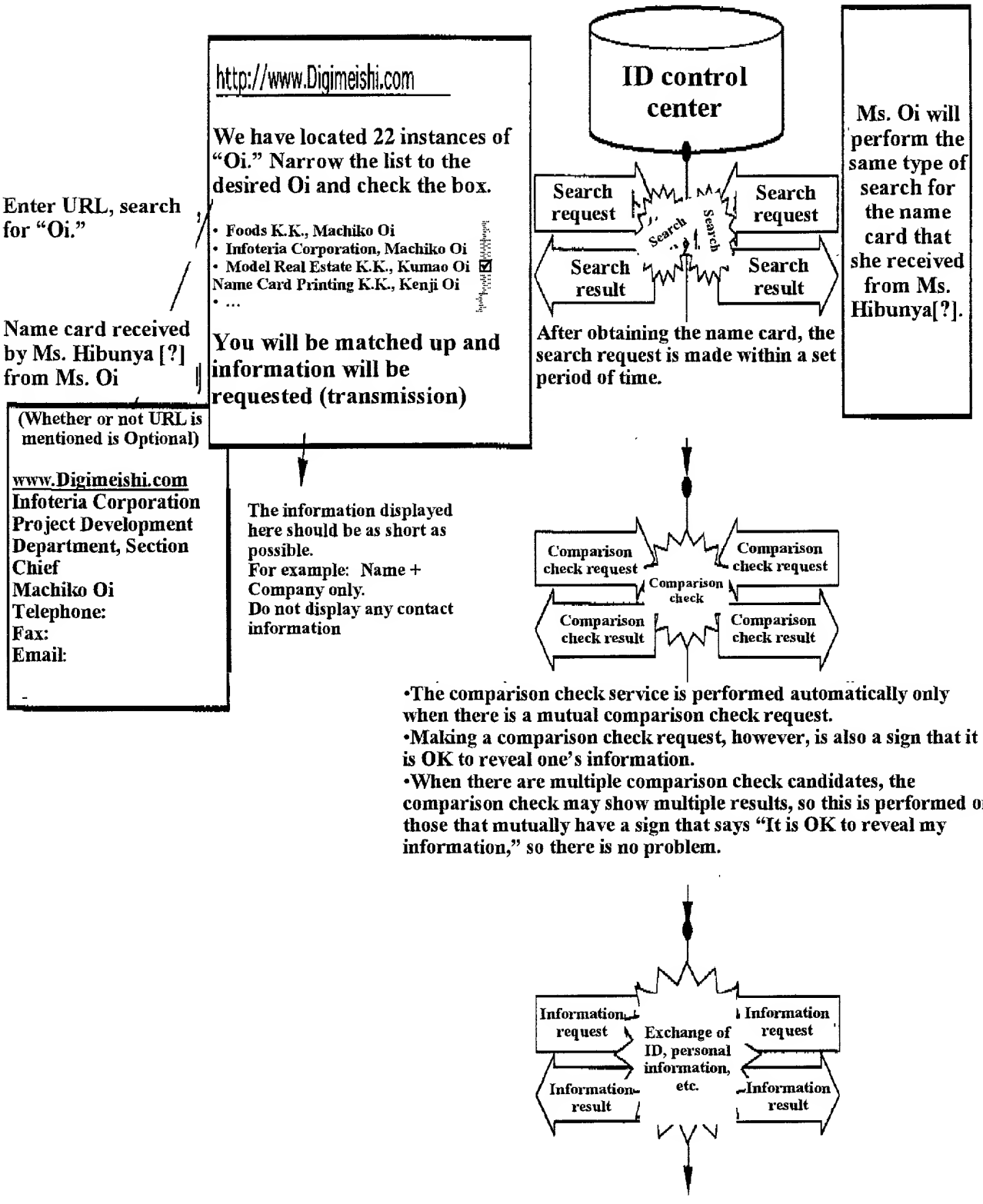

Fig. 17

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